

## Resistance of Ideal Extensions (mohms)

Wire AWG	Resistance (mohms/ft)	6-inch Extension	12-inch Extension	18-inch Extension	24-inch Extension
20	10.4	15	20	26	31
22	16.5	18	27	35	43
24	26.2	23	36	49	62
26	41.6	31	52	72	93
28	66.2	43	76	109	142
30	105.0	63	115	168	220

**Contact Resistance**      10            mohms

**Notes:**

1. Wire resistance specified at 25 deg C
2. Contact resistance specified above includes sum of pin and receptacle resistances
3. Spec for Amphenol Mini-PV is < 2 mohms per contact when new
4. Spec for Amphenol Mini-PV is 10 to 15 mohms per contact after environment and 1C

**36-inch  
Extension**

41

60

89

135

209

325